

Research Statement

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I am a PhD student at Université Paris 7. My main interest at the moment concentrates on forcing iterations. Recently, there have been developments which suggest new approaches to the iteration of posets which satisfy properness or its variations. Namely, Neeman [3] presents a forcing extension of the universe satisfying PFA, where the poset used consists of finite conditions. Similar ideas had already been examined for example in [1] and [2]. Natural questions arise: how about using finite support techniques for a similar approach to iterating semiproper posets, or forcings which don't add reals, and so on?

REFERENCES

- [1] SY-DAVID FRIEDMAN: Forcing with finite conditions. In Set theory, Trends Math., pages 285 - 295, Birkhauser, Basel, 2006.
- [2] WILLIAM MITCHELL: Adding closed unbounded subsets of ω_2 with finite forcing. Notre Dame J. Formal Logic, 46(3):357 -371, 2005.
- [3] ITAY NEEMAN: Forcing with sequences of models of two types.
<http://www.math.ucla.edu/~ineeman>